RADIOCHEMISTRY TECHNICIAN JOB PERFORMANCE MEASURE

TASK COL	DE: TRC-F03						
TASK:							
NAME:	SSN:						
REFEREN	CES:			=			
1.							
2.	WP 12-RL1012, Elemental Separation - Transuranic Products						
3.	•						
4.	CF-4.07, Tracers and Carriers						
TERMINA	L OBJECTIVE:			=			
Giver	n the necessary equipment, perforn	sample precipi	itation per WP 12-RL1011 and WP 12-RL1012.				
_	oper analysis results rdous waste spills						
	S (PERSONNEL/EQUIPN sure to acids and caustics	IENT STA	TUS):				
PRE-REQU	UISITE TRAINING/ TAS	K COMPL	ETION:	_			
1.	CF 4.00 Series						
2.	TRC-A13, Control Radioactive Sources						
3.	TRC-F01, Prepare Reagents						
TOOLS/EQUI	PMENT (MATERIALS REQUIR	ED):		=			
1.	Deionized water	4.	Suitable containers				
2.	Chemicals	5.	Centrifuge				
3.	Tracers/Carriers	6.	Prepared reagents				

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
1,2	State the PPE required when handling acid or caustic solutions.	
1,2	State the PPE required when handling dry chemicals.	
1,2	Describe the various containers available that are suitable for sample precipitation.	
3	Describe the difference between precipitation and coprecipitation.	
4	State the purpose of a tracer.	
4	State the purpose of a carrier.	
3	Discuss the handling requirements during the use of tracers or carriers	
1,2	Describe the safety hazards associated with the use of a centrifuge	
1,2	Discuss how to determine the appropriate tracer/carrier.	

PERFORMANCE REQUIREMENTS:

Reference	Performance Requirement	Pass/Fail
1,2	Don the appropriate PPE.#	
1,2	Acquire the required constituents/equipment for sample precipitation.#	
1,2	Select a suitable container based on the sample precipitation technique being utilized.#	
1,2	Add a tracer/carrier to a sample requiring coprecipitation.#	
1,2	Perform sample precipitation using a centrifuge.#	
1,2	Decant a centrifuged sample.#	

1,2	Perform sample coprecipitation.#	
Reference	Performance Requirement	Pass/Fail
1,2	Place the prepared reagent and the associated constituents in the proper storage locations.#	
1,2	Document the use of any tracers or carriers in the Radiochemistry Logbook.#	
1,2	Place decant in the proper storage location.#	

indicates a critical step

FINAL EVALUATION:	PASS	FAIL
COMMENTS:		
EVALUATOR SIGNATURE:		DATE:
TRAINEE SIGNATURE:		DATE:
MANAGER SIGNATURE:		DATE: